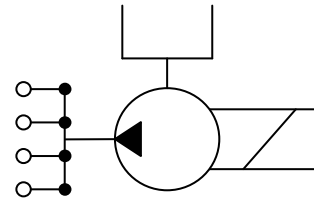


## MAGNETIC PUMP

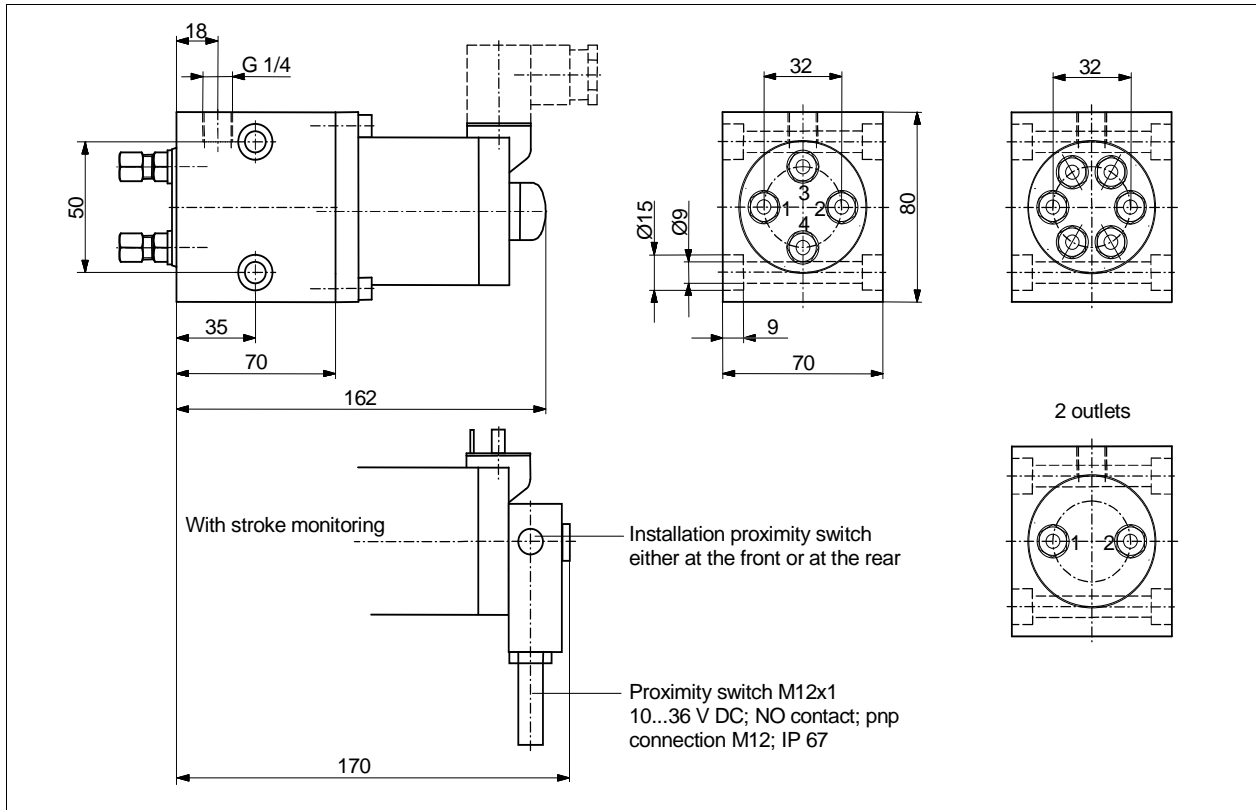
The magnetic pump is preferably used for precise lubrication, for example of chains.  
The oil is fed pressureless over an input G 1/4. Either a container can be installed on top of the pump, or the pump can be installed under a container.



### Technical data:

Position of installation:	as show in drawing	Voltage:	24 V DC	180 V DC
Number of outlets:	2 (1), 4 (3) or 6 (5)	Current:	4,3 A	0,55 A
Delivery rate:	see order specification	Relative duty cycle:		25 %
Operating pressure:	40 bar	Activation time:		min. 80 ms
Medium:	oil 3 - 220 mm <sup>2</sup> /s	Breaking time:		min. 120 ms
Temperature range:	- 15 - + 80 °C	Strokes (depends on viscosity):		max. 5/s
Oil supply:	G 1/4	Electrical connection:	plug DIN 43 650 PG9	
Pressure connection:	pipe Ø 6	Protective system:	IP 54	
Drive:	single lifting magnet	Spray nozzles:	acc. to data sheet CS4509.00.1103	

### Dimensions:



### Order specifications:

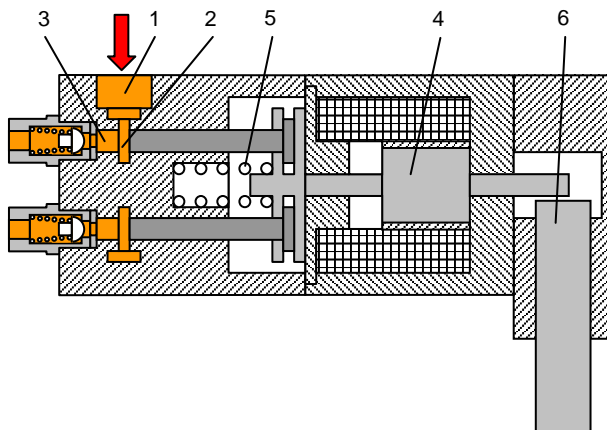
Magnetic pump: ..... 2646 1 2 1 1 1 00

Delivery rate [mm <sup>3</sup> /stroke]:	40	100	
Code number:	1	2	
Number of outlets:	2	4	6
Code number:	2	4	6
Outlet, pipe Ø :	6		
Code number:	1		
Voltage:	24 V DC	180 V DC	
Code number:	1	2	
Stroke monitoring:	without	with	
Code number:	1	2	
Special version:			

CS2646.00.0204GB

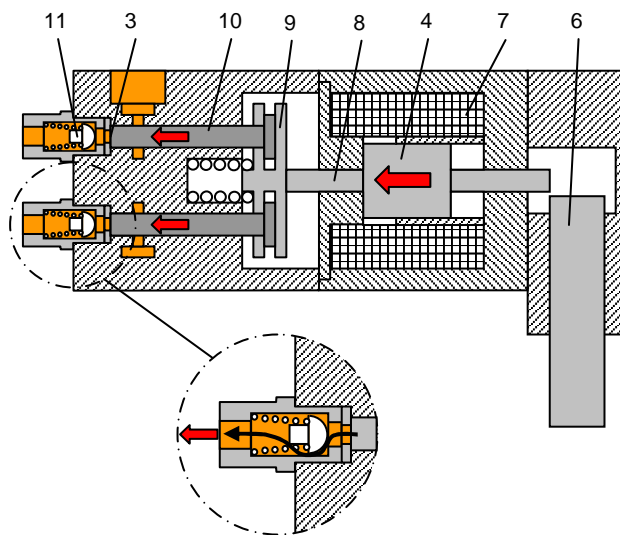
## MAGNETIC PUMP

### Function



In the sucking position the oil flows from the container (higher position) pressureless over the input connection (1) and the ring chamber into the metering chambers (3).

In the not actuated position the magnet armature (4) is kept by the spring (5) in the suction position and attenuates the proximity switch (6), which serves as stroke monitoring.



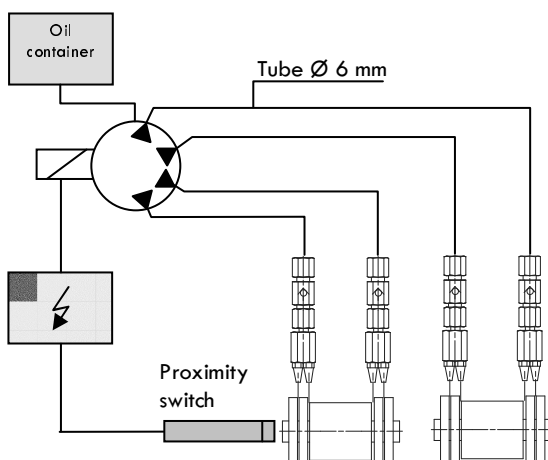
With the tripping of the magnet (7) the pistons (10) do a delivery stroke together with magnet armature (4), pressure pin (8) and plate (9). The attenuation of the proximity switch (6) is cancelled.

The lubricant in the metering chamber (3) is delivered over the non-return valve (11) and the pipes to the spray nozzles which spray it on the friction points.

Afterwards the non-return valve is closed again.

After the magnet (7) has been switched off, all components are pressed back to the initial position by the spring.

### Installation and operation



The spray nozzles for the lubrication of the chains can be collected according to data sheet 4509.00.1103.

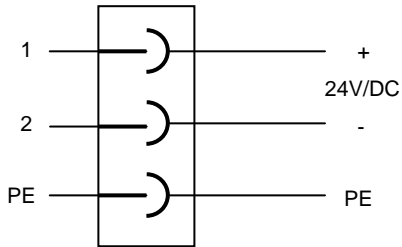
Take care that the nozzles are installed exactly at the lub points. The length of the line between pump and nozzles should not be longer than 6m.

The proximity switch detects each chain stud of each chain link and gives these signals over the control unit to the pump. Please note for the evaluation: The activation of the pump takes at least 80 ms, the breaking 120 ms.

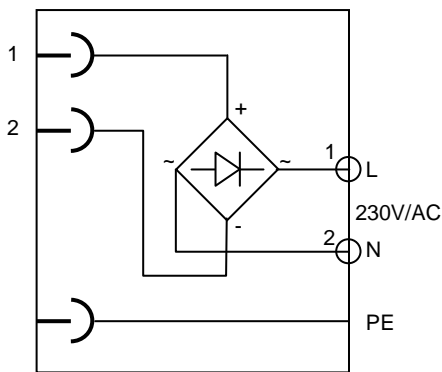
Use only steel pipes for the system. Other pipes reduce the pressure shock. The installation of elements which absorb pressure takes influence on the spraying behaviour.

# MAGNETIC PUMP

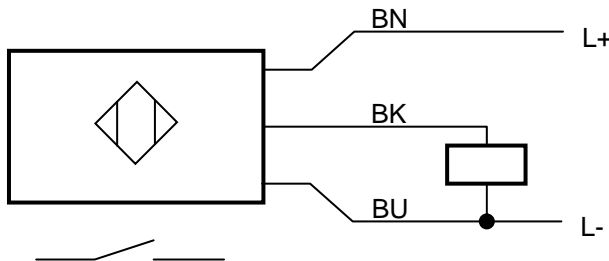
## Sockets and connections



Socket for lifting magnet 24V/DC  
 2-pole + PE acc. to DIN EN 175301-803  
 Order nr.: Socket 1000 9120 0  
 Seal 10015001 0045



Socket for lifting magnet 230V/180V/AC  
 2-pole + PE acc. to DIN EN 175301-803  
 Order nr.: Socket 1000 9130 17  
 Seal 10015001 0045



Connection of the proximity switch  
 Stroke monitoring

Colours:  
 BN brown  
 BU blue  
 BK black